

PESSSES CHEMICAL COMPANY

Ft. Worth, Texas

EPA ID# TXD980699656

Site ID: 0602800

**EPA REGION 6
CONGRESSIONAL
DISTRICT 12**

Tarrant County

Updated: June 10, 2004

SITE DESCRIPTION

Location: 2301 South Main Street, Fort Worth, Tarrant County, Texas.
Population: Approximately 19,500 people live or work within one-mile of the former Site.
Setting: ● The former Site area is approximately 4.2 acres, and it is surrounded by light industry.
● The former Site soil was contaminated by cadmium sludge/powder to a depth of approximately two to three feet.

PRESENT STATUS AND ISSUES

- Remediation of the Site is complete; wastes are stabilized and under a concrete cap.
- Protection of human health has been achieved.
- The Site is currently undergoing operations and maintenance to maintain the cap (State lead).

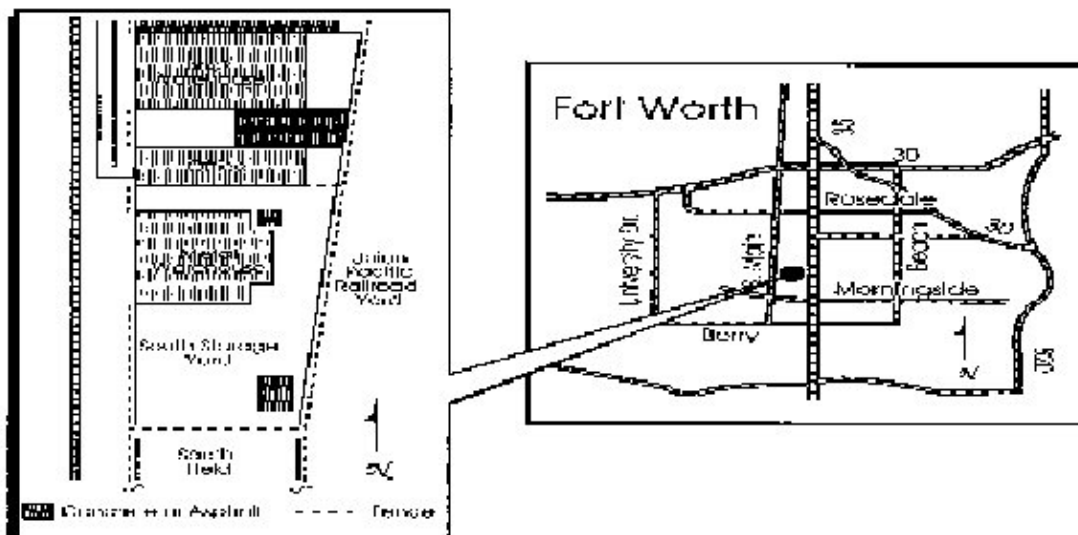
REMEDIAL ACTIONS

- Excavated a total of 12,359 cubic yards of contaminated soil.
- Stabilized soil in-situ with one part cement kiln dust to nine parts contaminated soil.
- Stabilized soil was placed in the South Field and covered with an 80 mil thick high-density-polyethylene (HDPE) liner and 8 inches of reinforced concrete.
- The metal warehouse and equipment were decontaminated with a high pressure water.
- Total cost of remedy was \$777,000.

SITE HISTORY

- The Pesses Chemical Co. operated a cadmium reclamation plant from 1978 until 1981.
- In April through June 1983, the EPA removed 3,400 cubic yards of contaminated soil, drums, wastes, and debris.
- In 1988, a fence was built around the northern portion of the Site.
- Mobilization for Remedial Action began on January 27, 1992 and construction activities were completed on September 30, 1992.
- The EPA issued the last Five Year Review Report in August 2000.

SITE MAP AND DIAGRAM



WASTES AND VOLUMES

- The principal pollutants at the Pesses Site were metals including cadmium and nickel.
- The maximum measured concentration of cadmium in soil was 19,300 parts per million.
- Leaching of contaminants into ground water was unlikely due to the low permeability of area soils and clay lenses over the Paluxy Aquifer.

HYDROLOGY

- The former Site is situated over the Paluxy Formation, a drinking water aquifer for the City of Fort Worth.
- Ground water depth at 380', below low permeability clay, shale, and shaley limestone.

SITE ASSESSMENT AND RANKING

NPL LISTING HISTORY

Site HRS Score: 28.60

Proposed Date: 10/15/84

Final Date: 6/10/84

NPL Update: No. 2

Deletion: 9/28/95

HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT

- Elevated levels of cadmium were detected up to 800 feet from the Site.
- The nearest drinking water well is located 1.4 miles south of the Site.

RECORD OF DECISION

ROD Signed: December 22, 1988

- The Record of Decision (ROD) for the Pesses Site specified In-Situ Stabilization plus capping, and decontamination of the old warehouse.

<u>Other Remedies Considered</u>	<u>Reason Not Chosen</u>
1. "No Action"	Inadequate protection of health and environment.
2. Capping	If the caps are damaged or not maintained properly, risk from potential exposure to the untreated contaminants
3. In-Situ Vittrification	Short-term risks posed and reliability uncertain during implementation.
4. Stabilization & Consolidation	Difficulties and substantial volume increase during implementation.
5. Off-Site Disposal	Remedy merely moves the contaminants to a different location; high cost.

COMMUNITY INVOLVEMENT

- Community Involvement Plan: Developed November 1986 and revised July 1989.
- Open houses and workshops: February 1985; December 1987; and June 1990
- Proposed Plan Fact Sheet and Public Meeting: November 1988
- ROD Fact Sheet: January 1989
- Milestone Fact Sheets: December 1987; December 1989; May 1990; June 1990; and November 1993.
- Citizens on the mailing list: 53
- Site Repository: Texas Natural Resource Conservation Commission, 12100 Park 35 Circle, Building D, Room 190, Austin, TX 78753, (512) 239-2920

TECHNICAL ASSISTANCE GRANT

- Availability Notice: 8/89
- Letters of Intent Received: None
- Grant Award: N/A

CONTACTS

- **Remedial Project Manager (EPA):** Gary Miller; (214) 665-8318;
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- **State Contact (TCEQ):** Bob Wucher; (512) 239-2494
- **Attorney (EPA):** James L. Turner; (214) 665-3159
- **State Coordinator (EPA):** Karen Bond; (214) 665-6682
- **Region 6 Public Liaison (EPA):** Arnold Ondarza, (303) 312-6777

ENFORCEMENT

- **PRPs Identified:** 54
- **Viable PRPs:** Numerous
- Consent Decree entered in *U.S. vs. Motorola, Inc. et al.*, C.A. 4:96-CV-226-Y, U.S. District Court for the Northern District of Texas, July 12, 1996 for 100% recovery of response costs.